

Gain Enhancement by Novel Impact Ionization (GENII)  
Microsystems Exploration Topic  
February 25, 2020

Q1 Is the program strictly restricted to APD, or could it be open to other types of devices with optical amplification, for example, phototransistor?

A1 Alternative devices are not being considered with this announcement. Please refer to Section 1B of the announcement, "The objective of the GENII uE is to identify, develop, and demonstrate new approaches to achieve low excess noise, high gain infrared LmAPD structures with cutoff wavelength >2.0 um, operating at >240K, with low dark current."

Q2 Is a proposal that does not meet all specifications simultaneously acceptable?

A2 Yes. Please refer to Section 1B of the announcement, "Proposers should strive to meet all the metrics simultaneously; however, in the event the proposed structure is not able to meet all metrics simultaneously, the proposal must clearly detail overall performance trades as it relates to these metrics."

Q3 The Model OT for Prototype repeatedly references the requirement of the Schedule of Milestones and Payments template. However, per the Amendment 6 to the Microsystems Exploration announcement, this template is not required. Will an updated OT be provided to the public that removes this language/requirement, or should repeated redlines be submitted?

A3 PA Amendment No. 6 merely deleted a proposal template document (originally requested for pricing purposes). Its removal as a proposal pricing template does not change the Model OT - there will still be priced payable milestones as indicated in the PA and the GENII topic.

Q4 Please clarify which document will be referenced to determine milestone amounts and monthly payments, since the Schedule of Milestone and Payments template is removed?

A4 The Volume 2 Price Summary Template - as noted in the PA Amendment No. 6 summary of changes: "The new Price Summary spreadsheet also provides additional notes for the proposers regarding the use of fully loaded cost elements, period of performance, and milestone amounts."

Q5 Can you please clarify if both the Price Volume Template and Price Summary Template documents are required in submitted proposals?

A5 Yes, per the PA (through Amendment No. 6), in addition to other documents/information, both the "Volume 2: Price Volume Template" (MS Word document which serves as the narrative portion of the cost proposal) and the "Volume 2: Price Summary Template" (MS Excel document which serves as the cost build-up portion of the cost proposal) are required in submitted proposals.